
Test Procedure for**OBTAINING AND TESTING DRILLED CORES OF
CONCRETE****TxDOT Designation: Tex-424-A****Effective Date: July 2008**

1. SCOPE

- 1.1 This test method covers the procedure for obtaining, preparing, and testing cores drilled from concrete for compressive or splitting tensile strength determinations and for determining the length of a core drilled from a concrete structure, particularly pavement.
- 1.2 The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

PART I—OBTAINING DRILLED CONCRETE CORES

2. PROCEDURE

- 2.1 Refer to ASTM C 42 for the test procedure.

PART II—MEASURING LENGTH OF DRILLED CONCRETE CORES

3. PROCEDURE

- 3.1 Refer to ASTM C 174 for the test procedure.

**PART III—COMPRESSIVE OR SPLITTING TENSILE STRENGTH OF
DRILLED CONCRETE CORES**

4. PROCEDURE

- 4.1 Refer to ASTM C 42 for the test procedure, as supplemented by the following.
 - 4.1.1 Condition cores prior to testing by submerging the test specimens in lime-saturated water at $73.4 \pm 3^{\circ}\text{F}$ ($23.0 \pm 1.7^{\circ}\text{C}$) for at least 40 hours immediately prior to performing the compression test.

5. ARCHIVED VERSIONS

5.1 Archived versions are available.